Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A differential signal transmitter comprising:

a driver circuit that generates a differential signal in response to inputted data, a voltage amplitude of the differential signal being controlled by a bias; and

a control circuit comprising a first input for receiving a first control indicator, the control circuit ~~being capable of outputting the bias at different levels~~ selecting a plurality of current sources according to the first control indicator and outputting a sum of currents provided by selected current sources as the bias.

Claim 2 (original): The differential signal transmitter of claim 1 wherein the first control indicator is a single bit.

Claim 3 (original): The differential signal transmitter of claim 1 wherein the control circuit is capable of outputting the bias at different current levels.

Claim 4 (original): The differential signal transmitter of claim 3 wherein when the control circuit outputs the bias at a first current level, the driver circuit generates a Low Voltage Differential Signaling (LVDS) differential signal in response to the inputted data.

Claim 5 (currently amended): The differential signal transmitter of claim 3 wherein when

the control circuit outputs [[the]] a first current level as [[a]] the bias for the driver circuit, the driver circuit generates a Mini-LVDS differential signal in response to the inputted data.

Claim 6 (currently amended): The differential signal transmitter of claim 3 wherein when the control circuit outputs [[the]] a first current level as [[a]] the bias for the driver circuit, the driver circuit generates a Reduced Swing Differential Signaling differential signal in response to the inputted data.

Claim 7 (cancelled)

Claim 8 (original): The differential signal transmitter of claim 1 wherein the control circuit further comprises a second input for receiving a second control indicator.

Claim 9 (currently amended): A method of transmitting a differential signal from a transmitter, the transmitter comprising a driver circuit that generates the differential signal in response to inputted data and a control circuit, [[an]] a voltage amplitude of the differential signal being controlled by an electrical bias, the method comprising:

receiving a control indicator ~~from a first~~ at an input of the control circuit;

~~the control circuit~~ generating the electrical bias from the control circuit as a sum of currents provided by a plurality of current sources selected according to the control indicator ~~at different levels according to the first control indicator~~; and

generating the differential signal at [[a]] the voltage amplitude determined by the electrical bias.

Claim 10 (currently amended): The method of claim 9 ~~further comprises~~ wherein the driver circuit ~~generating~~ generates a Low Voltage Differential Signaling (LVDS) differential signal in response to the inputted data when the control circuit outputs the electrical bias at a first predetermined level.

Claim 11 (currently amended): The method of claim 9 ~~further comprises~~ wherein the driver circuit ~~generating~~ generates a Mini-LVDS differential signal in response to the inputted data when the control circuit outputs the electrical bias at a second predetermined level.

Claim 12 (currently amended): The method of claim 9 ~~further comprises~~ wherein the driver circuit ~~generating~~ generates a Reduced Swing Differential Signaling differential signal in response to the inputted data when the control circuit outputs the electrical bias at a third predetermined level.